


Introduction
Android Smartphone Programming

University of Freiburg


Matthias Keil
Institute for Computer Science
Faculty of Engineering
University of Freiburg
21. Oktober 2013





Notizen

Outline

University of Freiburg



- 1 General Information
- 2 Organizational Matters
- 3 Submissions





Matthias Keil Android Smartphone Programming 21. Oktober 2013 2 / 14

Notizen



Course

University of Freiburg



(Advanced) Android Smartphone Programming

- ESE/ Informatik Bachelor Projekt (5 ECTS/ 6 ECTS)
 - Exercise sheets (5 ECTS)
 - Additional project (+1 ECTS)
- ESE/ Informatik Master Praktikum (6 ECTS)
 - Exercise sheets / Additional project

Matthias Keil Android Smartphone Programming 21. Oktober 2013 3 / 14

Notizen

Topics

University of Freiburg



- Six exercise sheets (5 ECTS)
 - 1-2 topics per exercise sheets
 - 2-3 weeks time to work per exercise sheets
- Project (+1 ECTS)
 - 2 weeks time to work

Tasks

- Solve exercise sheets
 - Programming tasks
 - Java knowledge is required
 - Comments/ Report
- Project similar to the exercise sheets



Matthias Keil

Android Smartphone Programming

21. Oktober 2013

4 / 14

Notizen

Time and Place

University of Freiburg



Meetings

- Tuesday, 2pm - 4pm
- Room SR 00-019, Building 079

- Meeting weeks
 - Discussion of the last exercise sheet
 - Introduction/ presentation of the next exercise sheet
- Free weeks
 - Free time to work
 - Consultation-hour
- Class attendance is not mandatory
- No weekly meeting
- Weekly room reservation
 - Time for free work



Matthias Keil

Android Smartphone Programming

21. Oktober 2013

5 / 14

Notizen

Organizational Matters

University of Freiburg



Assistant / Tutor

Matthias Keil

Address Room 00-013, building 079
Email keilr@informatik.uni-freiburg.de
Phone +49 (0)761 203 8060

Thomas Vogel

Email vogelt@informatik.uni-freiburg.de

Webpage proglang/teaching/androidpracticum/2013/
Forum proglang/forum/



Matthias Keil

Android Smartphone Programming

21. Oktober 2013

6 / 14

Notizen

Registration of Participants

University of Freiburg



Email to Matthias Keil till
Wednesday, 23.10.2013 12:00 (midnight)

- *name, prename*
- *email address*
- *tf username*
- *study program/ required ECTS points*



Matthias Keil

Android Smartphone Programming

21. Oktober 2013

7 / 14

Notizen

Preliminary Timetable

University of Freiburg



- 1) 22.10.2013 Kick-Off Meeting, Introduction to Exercise 1/2
- 2) 29.10.2013 Deadline: Exercise 1
- 3) 05.11.2013 Deadline: Exercise 2, Introduction to Exercise 3
- 4) 12.11.2013
- 5) 19.11.2013
- 6) 26.11.2013 Deadline: Exercise 3, Introduction to Exercise 4
- 7) 03.12.2013
- 8) 10.12.2013
- 9) 17.12.2013 Deadline: Exercise 4, Introduction to Exercise 5
- 10) 24.12.2013
- 11) 31.12.2013 *Christmas break*
- 12) 07.01.2014 *Christmas break*
- 13) 14.01.2014 Deadline: Exercise 5, Introduction to Exercise 6
- 14) 21.01.2014
- 15) 28.01.2014 Deadline: Exercise 6, Introduction to the Project
- 16) 04.02.2014
- 17) 11.02.2014 Deadline: Project



Matthias Keil

Android Smartphone Programming

21. Oktober 2013

8 / 14

Notizen

Submissions

University of Freiburg



Exercise

- *Eclipse Project* for each exercise (e.g. *exercise1_1*)
- Use package names (e.g. *androidlab.exercise1_1*)
- One *folder* for each exercise

Deadline

- Deadline: 12:00 (noon)
- Submit your solution to the subversion repository



Matthias Keil

Android Smartphone Programming

21. Oktober 2013

9 / 14

Notizen

Grading

University of Freiburg



- No fine-grained grading system
 - Because of individual solutions
- Exercise gets divided in *features*
- Points for required *features*
 - Points deduction for errors
 - Efficiency and clear code is required
 - You are strongly encouraged to test your solution
- The exercises have to be done by yourself
 - Team work is not allowed
 - You are not allowed to copy source code
- Used foreign code (e.g. classes, libraries) has to be marked



Matthias Keil

Android Smartphone Programming

21. Oktober 2013

10 / 14

Notizen

Comments

University of Freiburg



- Provide your source code with comments
 - *if required*
- Clear and understandable style is required
- **Comments do not explain it the code**
- Comments clarify its intent

Bad style

```
1 // declare name
2 // concatenates uid and nr
3 String name = uid + nr;
```

Good style

```
1 // declares the username used for ...
2 String name = uid + nr;
```



Matthias Keil

Android Smartphone Programming

21. Oktober 2013

11 / 14

Notizen

Report

University of Freiburg



- Formal description of the implemented program
 - Intent, structure, problems
- Limited to one page
- Either in German or in English
- Clear and understandable style is required



Matthias Keil

Android Smartphone Programming

21. Oktober 2013

12 / 14

Notizen

Questions ?

Notizen

Attendance ?

Notizen

Notizen
